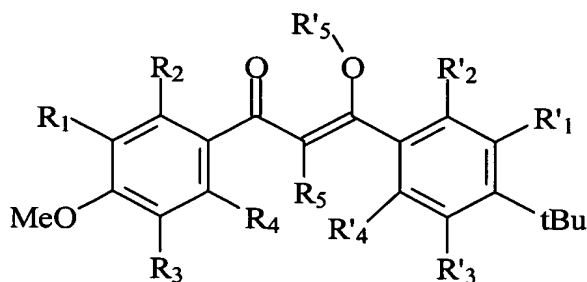


**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-15. (Canceled)

16. (Previously Presented) A compound, selected from the group consisting of a dibenzoylmethane-based compound of formula (I),



(I)

a salt of the dibenzoylmethane-based compound, and a solvate of the dibenzoylmethane-based compound, wherein:

$R_1$ ,  $R'_1$ ,  $R_2$ ,  $R'_2$ ,  $R_3$ ,  $R'_3$ ,  $R_4$  and  $R'_4$  each independently represents a member selected from the group consisting of:

- a hydrogen atom;
- a linear or branched alkyl group containing from 1 to 4 carbon atoms;
- a linear or branched alkenyl group containing from 1 to 4 carbon atoms;
- a linear or branched alkynyl group containing from 1 to 4 carbon atoms;
- a  $C_1$  to  $C_4$  alkoxy group;
- a halogen atom;

a hydroxyl group;

an amino group;

a nitro group;

an amido group; and

a carbonyl group of formula  $\text{--CO--Y}$  where Y represents a halogen atom, a hydroxyl group, an  $\text{--OR}$  group or an  $\text{--SR}$  group, where R represents a  $\text{C}_1$  to  $\text{C}_4$  alkyl group;

$\text{R}_5$  and  $\text{R}'_5$  each independently represents a member selected from the group consisting of:

a hydrogen atom;

a linear or branched alkyl group containing from 1 to 4 carbon atoms;

and

a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 5 to 20 carbon atoms; and

$\text{R}_5$  is different from  $\text{R}'_5$ .

17. (Previously Presented) The compound of claim 16, wherein  $\text{R}_1$ ,  $\text{R}'_1$ ,  $\text{R}_2$ ,  $\text{R}'_2$ ,  $\text{R}_3$ ,  $\text{R}'_3$ ,  $\text{R}_4$ , and  $\text{R}'_4$  each represents a hydrogen atom.

18. (Previously Presented) The compound of claim 16, wherein:

$\text{R}_1$ ,  $\text{R}'_1$ ,  $\text{R}_2$ ,  $\text{R}'_2$ ,  $\text{R}_3$ ,  $\text{R}'_3$ ,  $\text{R}_4$ , and  $\text{R}'_4$  each represents a hydrogen atom; and

$\text{R}_5$  and  $\text{R}'_5$  each independently represents a hydrogen atom or a saturated linear acyclic carbon-based chain containing 10 carbon atoms.

19. (Previously Presented) A photoactivatable sunscreen comprising the compound of claim 16 as an active ingredient.

20. (Previously Presented) A cosmetic and/or dermatological composition, comprising the photoactivatable sunscreen of claim 19.

21. (Currently Amended) The cosmetic and/or dermatological composition of claim 20, further comprising a screening agent selected from the group consisting of: ~~Parset~~ ~~1789~~ 4-tert-butyl-4'-methoxy-dibenzoylmethane, 2,4,6-tris[p-(2'-ethylhexyl-1'-oxycarbonyl)anilino]-1,3,5-triazine, 4-(t-butyl)-4'-methoxydibenzoylmethane, 2-hydroxy-4-methoxybenzophenone and 3-(4'-methylbenzylidene)camphor.

22. (Previously Presented) The cosmetic and/or dermatological composition of claim 20, wherein the active ingredient is present in an amount of from about 0.5 to about 30 % by weight relative to a total weight of the composition.

23. (Previously Presented) The cosmetic and/or dermatological composition of claim 20, wherein the active ingredient is present in an amount of from about 1 to about 10 % by weight relative to a total weight of the composition.

24. (Previously Presented) A method of protecting skin against sunlight, comprising applying the compound of claim 16 to skin that will be exposed to sunlight.

25. (Previously Presented) A cosmetic and/or dermatological composition for protecting skin and/or hair against UV radiation, comprising the compound of claim 16 as an active ingredient, wherein the composition is photoactivatable and/or suitable for prolonged use.

26. (Previously Presented) A method of protecting skin and/or hair against UV radiation, comprising applying the compound of claim 16 to skin and/or hair that will be exposed to UV radiation.

27. (Currently Amended) A process for preparing the ~~composition~~ compound of claim 16, comprising:

forming a complex in aqueous or organic medium, between a precursor molecule of general formula (I) where R<sub>5</sub> represents a first precursor hydrogen atom and R'<sub>5</sub> represents a second precursor hydrogen atom, and an alkylammonium halide; and

substituting at least one of the precursor hydrogen atoms through the action of at least one of a halide of the formula  $R_6X$ , and a halide of formula  $R_7X$ , where  $R_6$  and  $R_7$  are different and each independently represents a member selected from the group consisting of:

a linear or branched alkyl group containing from 1 to 4 carbon atoms;

and

a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 5 to 20 carbon atoms.

28. (Previously Presented) The process of claim 27, wherein:

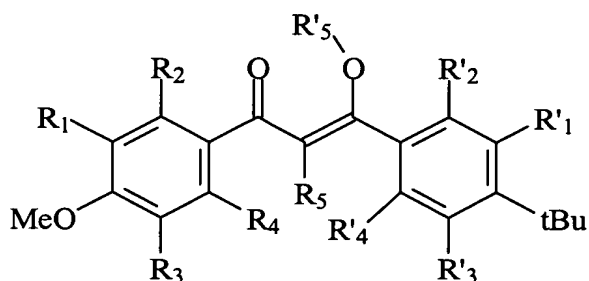
$R_6X$  and  $R_7X$  are alkylating agents; and

$R_6X$  and  $R_7X$  each independently represents a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 1 to 20 carbon atoms.

29. (Previously Presented) 3-(4-tert-Butylphenyl)-3-decanoxy-1-(4-methoxyphenyl)prop-2-ene-1-one.

30. (Previously Presented) 3-(4-tert-Butylphenyl)-2-decanyl-1-(4-methoxyphenyl)propane-1,3-dione.

31. (Previously Presented) A compound, selected from the group consisting of a dibenzoylmethane-based compound of formula (I)



(I)

a salt of the dibenzoylmethane-based compound, and a solvate of the dibenzoylmethane-based compound, wherein:

$R_1$ ,  $R'_1$ ,  $R_2$ ,  $R'_2$ ,  $R_3$ ,  $R'_3$ ,  $R_4$  and  $R'_4$  each independently represents a member selected from the group consisting of:

- a hydrogen atom;
- a linear or branched alkyl group containing from 1 to 4 carbon atoms;
- a linear or branched alkenyl group containing from 1 to 4 carbon atoms;
- a linear or branched alkynyl group containing from 1 to 4 carbon atoms;
- a  $C_1$  to  $C_4$  alkoxy group;
- a halogen atom;
- a hydroxyl group;
- an amino group;
- a nitro group;
- an amido group; and
- a carbonyl group of formula  $-\text{CO}-Y$  where  $Y$  represents a halogen atom, a hydroxyl group, an  $-\text{OR}$  group or an  $-\text{SR}$  group, where  $R$  represents a  $C_1$  to  $C_4$  alkyl group; and

$R_5$  and  $R'_5$  each independently represents a member selected from the group consisting of:

- a linear or branched alkyl group containing from 1 to 4 carbon atoms;
- a linear or branched alkenyl group containing from 1 to 4 carbon atoms;

a linear or branched alkynyl group containing from 1 to 4 carbon atoms;

a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 5 to 20 carbon atoms;

a linear or branched, saturated or unsaturated acyclic carbon-based chain, functionalized at its end, containing from 5 to 20 carbon atoms; and

a linear or branched, saturated or unsaturated acyclic carbon-based chain, comprising a nitrogen atom of amine or amide function and/or an oxygen atom of ether or carboxylic function, containing from 5 to 20 carbon atoms.

32. (Previously Presented) A photoactivatable sunscreen comprising the compound of claim 31 as an active ingredient.

33. (Previously Presented) A cosmetic and/or dermatological composition, comprising the photoactivatable sunscreen of claim 32.

34. (Currently Amended) The cosmetic and/or dermatological composition of claim 33, further comprising a screening agent selected from the group consisting of: ~~Parset~~ 4-tert butyl-4'-methoxy-dibenzoylmethane, 2,4,6-tris[p-(2'-ethylhexyl-1'-oxycarbonyl)anilino]-1,3,5-triazine, 4-(t-butyl)-4'-methoxydibenzoylmethane, 2-hydroxy-4-methoxybenzophenone and 3-(4'-methylbenzylidene)camphor.

35. (Previously Presented) The cosmetic and/or dermatological composition of claim 33, wherein the active ingredient is present in an amount of from about 0.5 to about 30 % by weight relative to a total weight of the composition.

36. (Previously Presented) The cosmetic and/or dermatological composition of claim 33, wherein the active ingredient is present in an amount of from about 1 to about 10 % by weight relative to a total weight of the composition.

37. (Previously Presented) A method of protecting skin against sunlight, comprising applying the compound of claim 31 to skin that will be exposed to sunlight.

38. (Previously Presented) A cosmetic and/or dermatological composition for protecting skin and/or hair against UV radiation, comprising the compound of claim 31 as an active ingredient, wherein the composition is photoactivatable and/or suitable for prolonged use.

39. (Previously Presented) A method of protecting skin and/or hair against UV radiation, comprising applying the compound of claim 31 to skin and/or hair that will be exposed to UV radiation.

40. (Currently Amended) A process for preparing the ~~composition~~ compound of claim 31, comprising:

forming a complex in aqueous or organic medium, between a precursor molecule of general formula (I) where  $R_5$  represents a first precursor hydrogen atom and  $R'_5$  represents a second precursor hydrogen atom, and an alkylammonium halide; and

substituting the precursor hydrogen atoms through the action of a halide of formula  $R_6X$  and a halide of formula  $R_7X$ , where  $R_6$  and  $R_7$  each independently represents a member selected from the group consisting of :

a linear or branched alkyl group containing from 1 to 4 carbon atoms;

a linear or branched alkenyl group containing from 1 to 4 carbon atoms;

a linear or branched alkynyl group containing from 1 to 4 carbon atoms;

a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 5 to 20 carbon atoms;

a linear or branched, saturated or unsaturated acyclic carbon-based chain, functionalized at its end, containing from 5 to 20 carbon atoms; and

a linear or branched, saturated or unsaturated acyclic carbon-based chain, comprising a nitrogen atom of amine or amide function and/or an oxygen atom of ether or carboxylic function, containing from 5 to 20 carbon atoms.

41. (Previously Presented) The process of claim 40, wherein:

$R_6X$  and  $R_7X$  are alkylating agents; and

$R_6X$  and  $R_7X$  each independently represents a linear or branched, saturated or unsaturated acyclic carbon-based chain containing from 1 to 20 carbon atoms.